

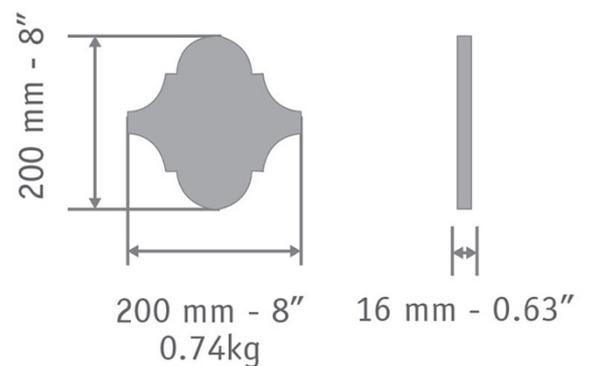
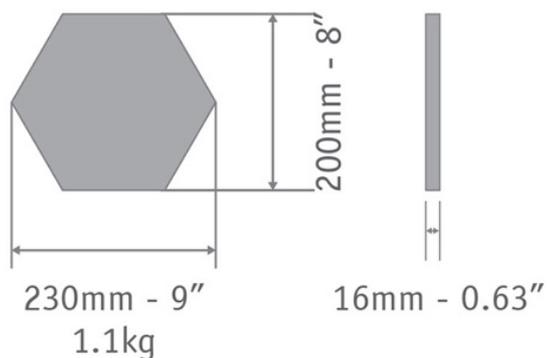
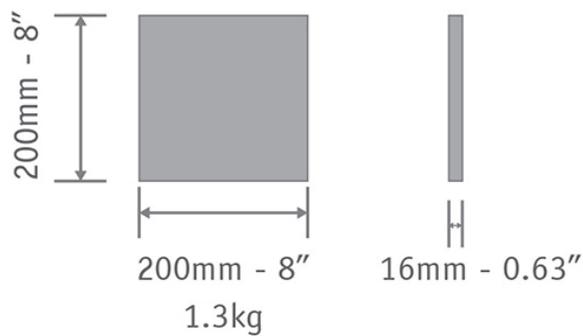
PRODUCT DATA SHEET

ENCAUSTIC CEMENT TILES

PRODUCT DESCRIPTION

Encaustic cement tile are produced from natural materials. The production process is hand-made. Therefore, the tiles can have colours, patterns and sizes variations in a certain level. These characteristics have brought natural beauty for encaustic cement tiles. Encaustic cement tiles can be used for indoor or outdoor surfaces for residential or commercial applications adding a rich, artistic touch to any space.

SHAPES & SIZES



TECHNICAL SPESIFICATIONS

*FLEXURAL STRENGTH

Properties		Sample No.					E.S.S Limits for one	
		1	2	3	4	5	Normal duty	Heavy duty
Actual dimensions for tested samples (cm)	Length	20.03	20.27	20.03	20.06	20.00	/	
	Width	10.37	10.15	9.32	9.75	9.54		
	Thickness	1.65	1.60	1.63	1.62	1.70		
Span length (Cm)	18.38	18.67	18.40	18.44	18.31			
Breaking load at mid span (Kg)	80.00	80.00	90.00	80.00	80.00			
Flexural strength (Kg/cm ²)	78.33	86.30	99.80	86.30	80.16	Not less than 30		
Average Flexural strength (Kg/cm ²)	86.18					Not less than 40	Not less than 50	

*ABRASION RESISTANCE

Properties		Sample No.				E.S.S Limits for one specimen	
		1	2	3	4	Normal duty	Heavy duty
Actual dimensions for tested sample (cm)	Length	7.26	6.99	7.28	7.19		
	Width	7.19	7.33	7.39	7.32		
	Thickness	1.76	1.67	1.69	1.69		
Weight before abrasion (gm)	172.6	167.1	162.6	171.8			
Weight after abrasion (gm)	151.3	149.9	151.4	148.5			
Density (gm/cm ³)	2.10						
Loss in thickness (mm)	1.94	1.60	0.99	2.11	Not more than 6.0		
Average Loss in thickness (mm)	1.66				Not more than 5.2	Not more than 3.0	

Rotation cycles: 352 cycle

abrasion material: quartz sand

Pressure on sample: 600 gm/cm²

PRODUCTION PROCESS:

Color Pigment Weighing

Pigments are prepared in batches with color powder mixtures to achieve the desired color(s) and are accurately weighed to guarantee consistency

Color Mixing

Prepared powder mix pigments are mixed with water to form a slurry structure

Hand Pouring

Prepared slurries are hand poured into the designated design molds after which the structural layer is added to give strength and structure to the tile

Tile Pressing

Hydraulic press is used in applying approximately 1800 PSI of pressure to the tile

Demoulding

Demoulding is done with complete caution to preserve the fragile state of the tile

Curing

Curing

Demoulded tiles are placed on racks for 24 hours before being soaked in water for a complete 24 hour cycle to achieve the water saturation. Afterwards the tiles are left to dry for a complete 7-10 day cycle to obtain the desired tile strength



POLISHING & PACKING:



*All Mizaj cement tiles are pre-polished using an impregnating sealer for extra protection.

*Tiles packed in carton boxes, placed face to face with a thin layer of foam in between to protect the surface during transportation.